

Table S1. The clinical characteristics of LN patients

Pt. #	Age	Gender	SLEDAI (score)	eGFR (ml/min/1.73m ²)	Urine	Alb (g/L)	ANA	ds-DNA	Blood				Renal biopsy	
					URTP (g/day)				IgG (g/L)	Lymphs (10 ⁶ /uL)	CD4 (counts/ uL)	C4 (g/L)	AI (score)	CI (score)
1	52	F	22	44	5.8	24.3	2+	1+	7.3	1.65	3037	0.07	13	5
2	26	F	26	138	0.5	20.1	2+	1+	28.3	0.11	254	0.17	10	0
3	40	F	18	46	16.1	21.0	2+	-	9.3	0.80	541	0.15	13	2
4	40	F	20	120	0.2	19.5	2+	-	19.9	1.19	556	0.02	7	0
5	35	F	22	50	2.5	21.5	2+	1+	12.4	1.80	178	0.03	10	3
6	18	F	36	221	8.9	15.8	2+	-	12.6	1.38	317	0.03	1	0
7	49	F	21	112	3.5	24.4	2+	1+	12.6	0.75	283	0.03	4	1
8	36	F	30	123	2.5	28.3	2+	1+	21.7	0.87	95	0.05	4	0
9	44	F	14	94	2.6	28.3	1+	-	18.1	1.22	273	0.25	8	6
10	22	F	22	139	15.8	15.0	2+	2+	7.6	2.17	-	0.07	14	0

Pt, patient; SLEDAI, systemic lupus erythematosus diseases activity index; eGFR, estimated glomerular filtration rate based on CKD-EPI formula; URTP, urinary total proteinuria per day; Alb, albumin; ANA, antinuclear antibodies; ds-DNA, double strands DNA; IgG, immunoglobulin G; Lymphs, lymphocyte counts; C4, complement 4; AI, activity index; CI, chronicity index.

Table S2. The clinical characteristics of normal controls

Normal control	Age	Gender	eGFR (ml/min/1.73m ²)	Urine		Serum
				Proteinuria	Gravity	Alb (g/L)
1	32	F	106	±	1.024	43.6
2	50	F	139	-	1.016	37
3	47	F	86	-	1.029	40.9
4	53	F	122	1+	1.016	42.3
5	53	F	120	-	1.01	41.7
6	47	F	117	±	1.025	45.2
7	59	F	115	-	1.009	36.4
8	46	F	104	-	1.016	43
9	54	F	122	-	1.021	40.7
10	52	F	123	±	1.024	40

eGFR, estimated glomerular filtration rate based on CKD-EPI formula; Alb, albumin.

Table S3. Antibodies used in western blotting and immunostaining

Protein	Company	Catalog	Host	Application	Dilution
C1q	Abcam	ab89901	Rabbit	IF	1:300
α -SMA	Sigma	19245	Mouse	WB	1:1000
				IF/IHC	1:200
TGF- β 1	novusbio	NBP1-80289	Rabbit	WB	1:1000
				IF/IHC	1:200
Fibronectin	Abcam	ab199056	Rabbit	WB	1:1000
				IF/IHC	1:1000
SOCS1	Bioss	BS-0113R	Rabbit	WB	1:1000
				IF/IHC	1:200
CD68	Santa Cruz Biotechnology	SC-20060	Mouse	IF/IHC	1:200
F4/80	Santa Cruz Biotechnology	SC-25830	Rabbit	WB	1:1000
				IHC	1:200
CD19	Servicebio	GB11061-1	Rabbit	IF	1:400
CD3	Servicebio	GB11014	Rabbit	IF	1:200
CD4	Servicebio	GB11064	Rabbit	IF	1:800
CD8	Servicebio	GB11068	Rabbit	IF	1:200
GADPH	Santa Cruz Biotechnology	SC-25778	Rabbit	WB	1:1000
α -TUBULIN	Santa Cruz Biotechnology	SC-5286	Mouse	WB	1:1000
Goat anti Mouse IgG	Santa Cruz Biotechnology	SC-2039	Goat	WB	1:8000
Goat anti Rabbit IgG	Thermo Fisher Scientific	31460	Goat	WB	1:10000
Alexa Fluor® 488	Thermo Fisher Scientific	A11029	Goat	IF	1:200
Alexa Fluor® 568	Thermo Fisher Scientific	A11036	Goat	IF	1:200

a-SMA, a-smooth muscle actin; TGF- β , transforming growth factor β 1; SOCS1, suppressor of cytokine signaling 1; CD, cluster of differentiation; GADPH, glyceraldehyde-3-phosphate dehydrogenase; WB, western blotting; IF, immunofluorescence staining; IHC, immunohistochemical staining.

Table S4. Sequence of primers used in qPCR

Gene	Forward(5'-3')	Reverse(5'-3')
<i>αSma</i>	TCAGGGAGTAATGGTTGGAATG	GGTGATGATGCCGTGTT
<i>Tgfβ1</i>	CCCGAAGCGGACTACTATGC	CATAGATGGCGTTGTTGCGG
<i>Fibronectin</i>	ATGTGGACCCCTCCTGATAGT	GCCCAGTGATTTCAGCAAAGG
<i>Socs1</i>	CTGCGGCTTCTATTGGGGAC	AAAAGGCAGTCGAAGGTCTCG
<i>Il6</i>	CTGCAAGAGACTTCCATCCAGTT	AGGGAAGGCCGTGGTTGT
<i>Ifnγ</i>	CCAGCGCAAAGCAATAAGTG	GGCCTCGAAACGGATTCTG
<i>Tnfa</i>	CAGCCGATGGGTTGTACCTT	GGCAGCCTTGTCCTTGA
<i>Actin</i>	TTCCTTCTTGGGTATGGAAT	GAGCAATGATCTTGATCTTC
<i>miR-150</i>	TCTCCCAACCCTTGTAACAGTG	
<i>Sno202</i>	GCTGTACTGACTTGATGAAAGTACT (mmu)	
<i>U6</i>	GCTTCGGCAGCACATATACTAAAAT(hsa)	

α Sma, α -smooth muscle actin; Tgf β 1, transforming growth factor β 1; Socs1, suppressor of cytokine signaling 1; Inf γ , interferon γ ; Il6, interleukin ; Tnfa, tumor necrosis factor α

Table S5. Sequence of LNA-anti-miR-150 and Scrambled LNA

Name	5'-3'
LNA-anti-miR-150	TACAAGGGTTGGGAG
Scrambled LNA	TAGAAGGGTGGTGAC

LNA, locked nucleic acid